3060

electro-mechanical programmer for controlling heating & hot water

Installation & User Instructions

This product complies with the following EC Directives:
Electro-Magnetic Compatibility Directive.
(EMC) (89\336\EEC), (92\31\EEC)
Low Voltage Directive.
(LVD) (73\23\EEC), (93\68\EEC)

CE

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Installation Instructions

Please Note:

This product should only be installed by a qualified electrician or competent heating installer, and should be in accordance with the current edition of the IEEE wiring regulations.

Product specification

Specification	
Power supply	230 ± 15% Vac, 50/60Hz
Switch action	2 x SPST, type 1B
Switch rating	Max 264 Vac, 50/60Hz, 3(1) A
Timing accuracy	± 1 min/month
Enclosure rating	IP30
Max. ambient temperature	55°C
Dimensions, mm (W, H, D)	102 x 210 x 60
Design standard	EN 60730-2-7
Construction	Class 1
Control Pollution Situation	Degree 2
Rated Impulse Voltage	2.5kV
Ball Pressure Test	75°C

Installation

1. Remove lower setting dial. Set all four tappets to top of upper dial. Unscrew 4BA screw and remove outer case.

2. Slacken two screws securing plug-in module to backplate and separate module from backplate by pulling upwards.

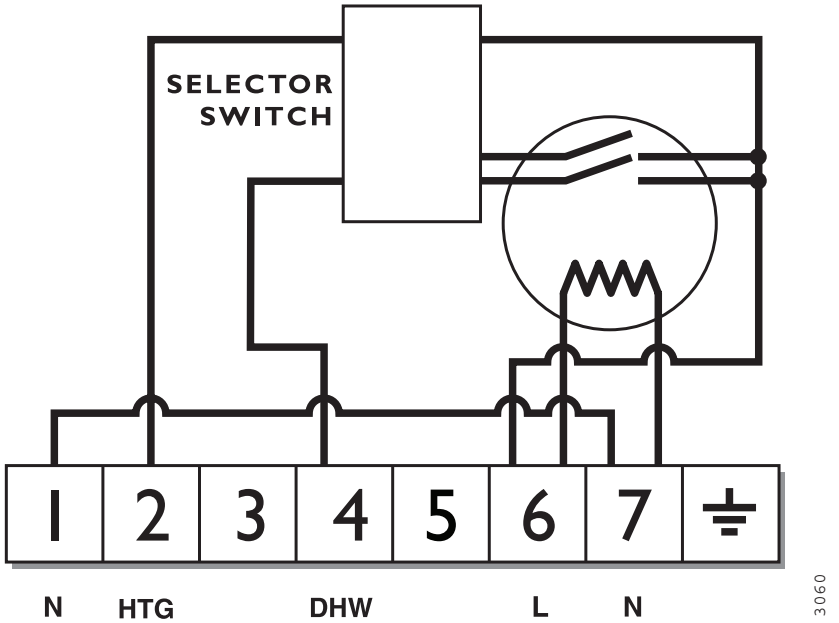
3. Fix backplate to wall (3 hole fixing).

4. Referring to wiring diagrams below and opposite make electrical connections as shown (as applicable). The diagrams indicate that terminals 3 and 5 are not internally connected to the programmer and may therefore be used as spare wiring terminals if required.

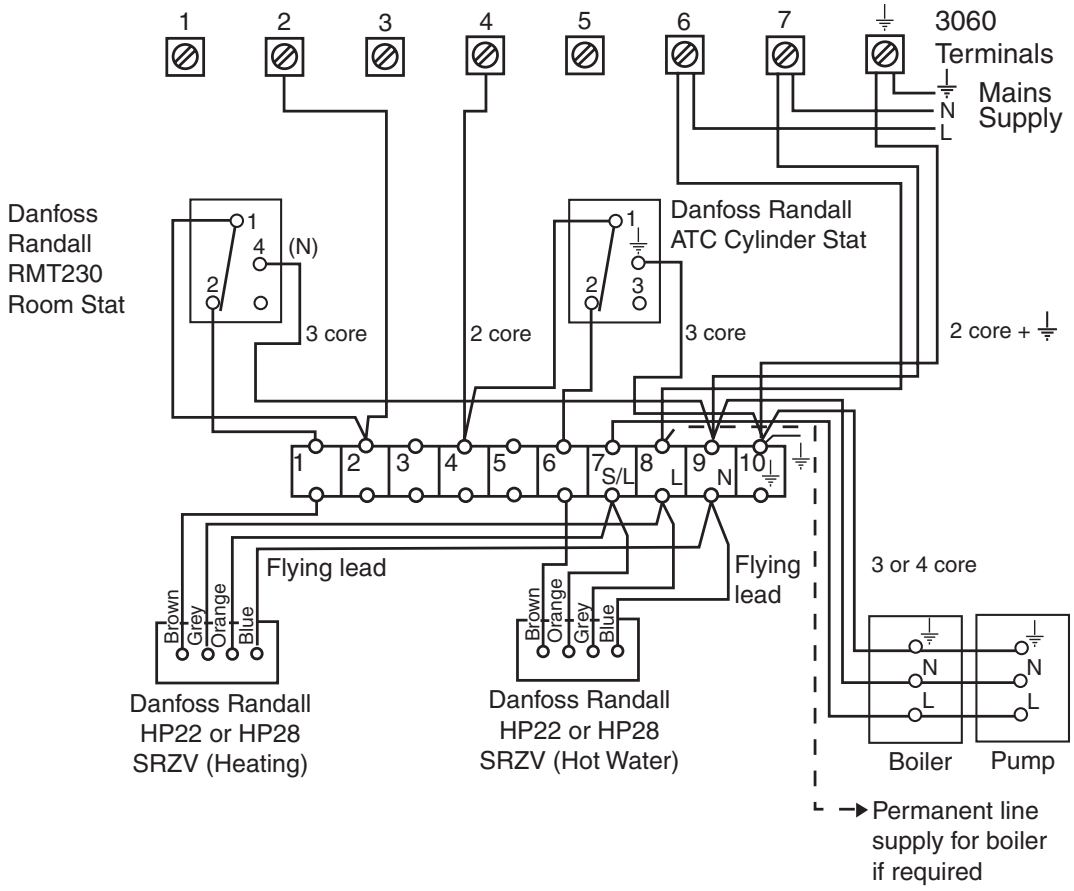
5. Ease of installation can be achieved by the use of the Danfoss Randall Wiring Centre which is obtainable from most Builders Merchants and Distributors.

   NOTE: If a Wiring Centre is used follow the installation instructions included with that unit and not the following wiring diagrams.

6. Secure cable cores under cable clamp.

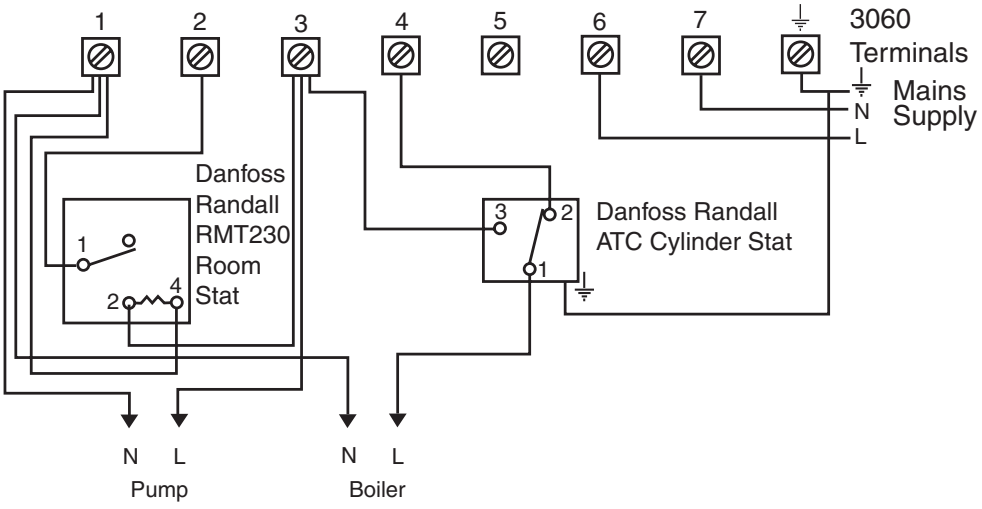


WIRING - FULLY PUMPED SYSTEM



NOTE: This unit is NOT suitable for use with fully motorised zone valves requiring both ON and OFF electrical signals when used in the heating circuit

WIRING - GRAVITY HOT WATER SYSTEM



Your programmer

The 3060 programmer allows you to switch your hot water and heating on and off at times that suit you.

Four tappets on the timing dial let you decide when you want your hot water and heating to come on and go off each day. The programmer provides 2 ON times and 2 OFF times per day.

Using the lower dial you can choose how you control your Heating and Hot Water, either at the set times, constantly ON, constantly OFF (each in different combinations). During the summer the central heating can be turned off, whilst still controlling the hot water at the set times.

Programming the unit

There are four TAPPETS on your timing dial, two red and two blue:

- ❑ the **red** tappets are the **ON** switches
- ❑ the **blue** tappets are the **OFF** switches

1. Hold the central black & silver knob with one hand and move the red tappet marked ‘A’ **clockwise** to the time you want your HEATING/HOT WATER to switch **on** in the morning.

NB. you may find the tappets quite stiff, so you may have to push them quite firmly to move them.

2 Still holding the central knob, move the blue tappet marked ‘B’ to the time you want your HEATING/HOT WATER to switch **off** in the morning.

3 You can set your other two tappets in the same way to set your HEATING/HOT WATER for the afternoon or evening.

EXAMPLE
(NB. Clock is in 24 hour mode)
If you want your heating and hot water ON between 7am and 10am and ON again between 5pm and 11pm, set tappets as follows:

A at 1st ON time = 7
B at 1st OFF time = 10
C at 2nd ON time = 17
D at 2nd OFF time = 23

Setting the Clock

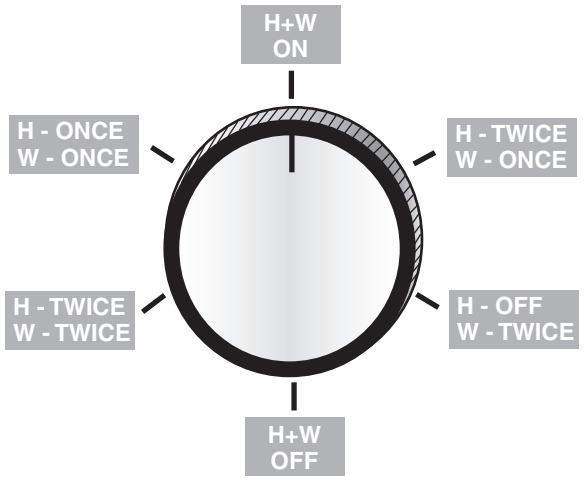
❑ Turn the dial **clockwise** until the correct time is lined up with the dot labelled **TIME**

NB. clock is in 24 hour mode

REMEMBER
You will have to reset the time after a power cut and also when the clocks change in Spring and Autumn

Using the Programmer

The selector switch is used to select how the 3060 controls your hot water and heating. The heating and hot water can be operated together in various combinations, or the water can be controlled on its own (i.e. during the summer when only hot water is required).



There are six positions into which the selector switch may be set.

1 - **H OFF / W OFF**
Both Heating and Hot Water will remain OFF until you change the setting.

2 - **H TWICE / W TWICE**
In this position the Heating and Hot Water will both come on and go off according to the times you have programmed (ON at A, OFF at B, ON at C, OFF at D).

3 - **H ONCE / W ONCE**
This setting overrides tappets B and C, so both Heating and Hot Water will switch ON at the time marked by tappet A and will stay on until the time marked by tappet D. Both services will then switch OFF until ‘A’ the next day.

4 - **H ON / W ON**
This is the ‘CONSTANT’ position and the programmer will remain permanently ON for both Heating and Hot Water, irrespective of the position of the tappets.

5 - **H TWICE / W ONCE**
In this position the heating will come on and go off according to the times you have programmed (ON at A, OFF at B, ON at C, OFF at D).
The Hot Water will come on at A and stay on until D.

6 - **H OFF / W TWICE**
In this position the Heating will be permanently OFF and the Hot Water will come on and go off according to the times you have programmed (ON at A, OFF at B, ON at C, OFF at D).

Note:

If hot water is required all day with the heating shut off (i.e. heat off, water once)

❑ Turn the selector switch to ‘H twice / W once’ and turn down the room thermostat to its lowest setting.

If constant hot water is required with heating off (i.e. heat off, water on)

❑ Turn the selector switch to ‘ H on / W on’ and turn the room thermostat to its lowest setting.

Still having problems?

Call your local heating engineer:

Name: .....

Tel: .....

Visit our website:

www.danfoss-randall.co.uk

Email our technical department:

drl_technical@danfoss.com

Call our technical department

0845 121 7505
(8.45-5.15 Mon-Thurs, 8.45-4.45 Fri)

For a large print version of these instructions please contact the Marketing Services Department on 0845 121 7400.

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